

# Threatened and Endangered Species in Forests of Wisconsin

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# FISH



PUGNOSE SHINER



# OVERVIEW

Forestry activities directly and indirectly affect streams, rivers and lakes—and the organisms that live in them. Forested and otherwise well-vegetated slopes near streams are less subject to erosion and siltation.

For most native fish, pure water and clean rocky or sandy streambeds are essential for reproduction, feeding and respiration. Excessive amounts of sediments, whether suspended in water or settled on streambeds, are detrimental to water quality and the fish or other rare, interesting, and valuable organisms living in the streams.

Wisconsin's Department of Natural Resources, Bureau of Forestry, developed a set of Best Management Practices (BMPs) to assist landowners in protecting water quality. Interested landowners should contact the Bureau (see Appendix II) for a copy of *Wisconsin's Forestry Best Management Practices for Water Quality*.

There are 21 state-listed endangered and threatened fish species in Wisconsin. Following are a series of maps that show the ranges of the 9 species of fish associated with forested watersheds.



## CRYSTAL DARTER

(*Ammocrypta asperlla*)

Federal Status: Not Listed

State Status: Endangered

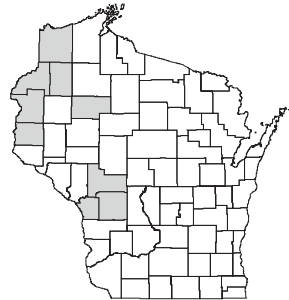


## GILT DARTER

(*Percina evides*)

Federal Status: Not Listed

State Status: Threatened



## GRAVEL CHUB

(*Hybopsis x-punctata*)

Federal Status: Not Listed

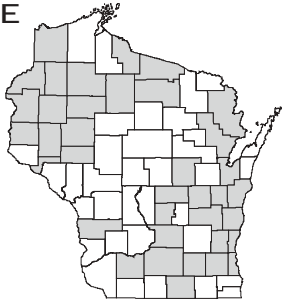
State Status: Endangered



**GREATER REDHORSE**

*(Moxostoma valenciennesi)*

**Federal Status: Not Listed**  
**State Status: Threatened**



**LONGEAR SUNFISH**

*(Lepomis megalotis)*

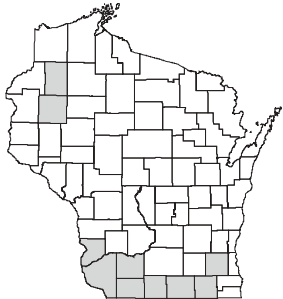
**Federal Status: Not Listed**  
**State Status: Threatened**



**OZARK MINNOW**

*(Dionda nubila)*

**Federal Status: Not Listed**  
**State Status: Threatened**

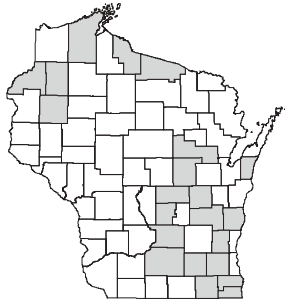


## PUGNOSE SHINER

(*Notropis anogenus*)

Federal Status: Not Listed

State Status: Threatened

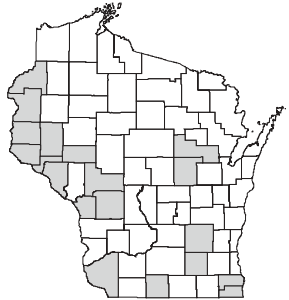


## RIVER REDHORSE

(*Moxostoma carinatum*)

Federal Status: Not Listed

State Status: Threatened



## STARHEAD TOPMINNOW

(*Fundulus nottii*)

Federal Status: Not Listed

State Status: Endangered

